

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A coupling-in device for light from a plurality of light sources into an end of an optical waveguide,

wherein all of the light is coupled in via a coupling-in area that constitutes a single curved region that covers the entire end of the optical waveguide and which is curved in a focusing fashion, and

wherein the coupling-in device has a plurality of focusing optics for the light from the various light sources, the focusing optics and the coupling-in area being produced in one single piece, the coupling-in area being surrounded by a frame in which the focusing optics are integrated, and

wherein the coupling-in area, the frame, and the focusing optics together define a cavity between the coupling-in area and the focusing optics, and the coupling-in area is an inner surface adjoining the cavity.

2. (Previously Presented) The coupling-in device as claimed in claim 1, wherein a focusing optic is formed for each light source.

3. (Canceled).

4. (Previously Presented) The coupling-in device as claimed in claim 1, wherein the geometry of the coupling-in area and the arrangement of the focusing optics are co-ordinated with the respective light source and the diameter of the optical waveguide.

5. (Withdrawn) The coupling-in device as claimed in claim 3, wherein the coupling-in area (3) and/or focussing optics (5) are arranged in circle- or sphere-segment-like fashion around the end of the optical waveguide (1).

6. (Previously Presented) The coupling-in device as claimed in claim 4, wherein the focusing optics are spaced apart from the coupling-in area.

7. (Canceled).

8. (Currently Amended) The coupling-in device as claimed in claim 1, wherein said coupling-in device is produced from transparent plastic in an injection ~~moulding~~ molding method.

9. (Previously Presented) The coupling-in device as claimed in claim 1, wherein LEDs arranged directly on the focusing optics are used as light sources.

10. (Previously Presented) The coupling-in device as claimed in claim 1, wherein the geometry of the coupling-in device and the arrangement of the light sources are co-ordinated

with one another in such a way as to minimize the losses occurring between emission of the light and entry into the actual optical waveguide.

11. (Previously Presented) The coupling-in device as claimed in claim 1, wherein the coupling-in device is provided with a stem.

12. (Previously Presented) The coupling-in device as claimed in claim 1, wherein the coupling-in area and/or focusing optics are arranged in circle-like fashion.

13. (Previously Presented) The coupling-in device as claimed in claim ~~[[1]]~~ 11, wherein the coupling-in area and/or focusing optics are arranged around the end of the stem.

14. (Previously Presented) The coupling-in device as claimed in claim ~~[[1]]~~ 11, wherein the diameter of the stem corresponds to the diameter of an optical waveguide which is attached to the stem.

15. (New) The coupling-in device as claimed in claim 1, wherein the coupling-in area, the frame, and the focusing optics define a continuous perimeter of the cavity.